2.   (Twice Amended)   A method of communicating and controlling receiving and presenting programming in a network, said method comprising the steps of:

inputting to a computer at an intermediate transmission station data related to said programming;

transmitting a first downloadable code related to said programming to said intermediate transmission station;

detecting the presence of said first downloadable code at said intermediate transmission station and passing said detected first downloadable code to said computer;

generating a second downloadable code by processing said inputted data under control of said first downloadable code;

transmitting said second downloadable code to at least one receiver station; and

causing said at least one receiver station to receive and present information to perform one of completing and supplementing said programming under control of said generated second downloadable code.

3.   (Three Times Amended)   A method of communicating signals in a communications network, said communications network including at least one origination station and a plurality of intermediate transmission stations, each of said plurality of intermediate transmission stations having a receiver, at least one signal generator operatively connected to said receiver, a transmitter, an automatic control unit operatively connected to said at least one signal generator, and a detector operatively connected to said at least one signal generator, said method comprising the steps of:

2

transmitting an information transmission, including at least one generation instruction

and at least one signal for comparison from said at least one origination station;

receiving in each of said plurality of intermediate transmission stations said information

transmission;

detecting in each of said plurality of intermediate transmission stations said at least one

generation instruction and said at least one signal for comparison;

passing in each of said plurality of intermediate transmission stations said at least one

generation instruction and said at least one signal for comparison to said automatic control unit;

generating in each of said plurality of intermediate transmission stations a respective

generated signal in accordance with said at least one generation instruction; and

transferring in each of said plurality of intermediate transmission stations said respective

generated signal to said transmitter based on at least one comparison performed by said

automatic control unit in accordance with said at least one signal for comparison, wherein said a

first of said respective generated signals when generated by a first of said plurality of

intermediate transmission stations is different from a second of said respective generated signals

when generated by a second of said plurality of intermediate transmission stations.

4.   (Twice Amended)   A method of communicating signals in a communications

network, said communications network including at least one origination station and a plurality

of intermediate transmission stations, each of said plurality of intermediate transmission stations

having a receiver, at least one signal generator operatively connected to said receiver, a

transmitter, an automatic control unit operatively connected to said at least one signal generator,

and a detector operatively connected to said at least one signal generator, said method comprising the steps of:

(1)   originating at least one generation instruction to effect each of said plurality of intermediate transmission stations to generate processor instructions in accordance with said at least one generation instruction;

(2)   originating at least one transmission signal to effect each of said plurality of intermediate transmission stations to transmit said processor instructions in accordance with said at least one transmission signal;

(3)   transmitting said at least one generation instruction; and

(4)   transmitting said at least one transmission signal.

5.   (Twice Amended)   A method of communicating signals in a communications network, said communications network including at least one transmitter station including a transmitter, and a plurality of intermediate transmission stations, each of said plurality of intermediate transmission stations having a receiver, at least one signal generator operatively connected to said receiver, an automatic control unit operatively connected to said at least one signal generator, and a detector operatively connected to said at least one signal generator, said method comprising the steps of:

(1)   originating an information transmission including an instruct signal which is effective, at a transmitter station, to generate at least one generation instruction to effect each respective one of said plurality of intermediate transmission stations to generate content of a second signal in accordance with said at least one generation instruction and transfer said second signal to said transmitter of said respective one of said plurality of intermediate transmission

4

stations in accordance with at least one signal for comparison and based on at least one

comparison performed by said automatic control unit of said respective one of said plurality of

intermediate transmission stations;

(2)   originating a control signal which operates at said transmitter station to

communicate said at least one generation instruction to a transmitter; and

(3)   transmitting said information transmission, said instruct signal and said control

signal.

6.   (Twice Amended)   A method of communicating signals in a communications

network, said communications network including at least one origination station and a plurality

of intermediate transmission stations, each of said plurality of intermediate transmission stations

having a receiver, at least one signal generator operatively connected to said receiver, a

transmitter, an automatic control unit operatively connected to said at least one signal generator,

and a detector operatively connected to said automatic control unit, said method comprising the

steps of:

transmitting instructions from said at least one origination station, said instructions

including at least one generation control signal;

transmitting data for processing from said at least one origination station;

receiving said instructions and said data for processing in each of said plurality of

intermediate transmission stations, and detecting said at least one generation control signal,

wherein each of said plurality of intermediate transmission stations passes at least one of (1) said

at least one generation control signal and (2) said data for processing to said automatic control

unit, and wherein each of said plurality of intermediate transmission stations generates a signal

5

by processing stored data and said data for processing in accordance with said at least one

generation control signal such that said signal when generated by a first of said plurality of

intermediate transmission stations is different from said signal when generated by a second of

said plurality of intermediate transmission stations.

7.　(Twice Amended)　A method of communicating signals in a communications

network, said communications network including at least one origination station and a plurality

of intermediate transmission stations, each of said plurality of intermediate transmission stations

having a receiver, at least one signal generator operatively connected to said receiver, a

transmitter, an automatic control unit operatively connected to said at least one signal generator,

and a detector operatively connected to said automatic control unit, wherein each said automatic

control unit is programmed to perform in a station-specific fashion, said method comprising the

steps of:

(1)　originating an information transmission including at least one generation control

signal to effect each of said plurality of intermediate transmission stations to generate a

generation instruction by processing stored data in accordance with said at least one generation

control signal; and

(2)　transmitting said information transmission including said at least one generation

control signal.

8.　(Twice Amended)　A method of communicating signals in a communications

network, said communications network including at least one transmitter station including a

transmitter, and a plurality of intermediate transmission stations, each of said plurality of

6

intermediate transmission stations having a receiver, at least one signal generator operatively

connected to said receiver, a transmitter, an automatic control unit operatively connected to said

at least one signal generator, a detector operatively connected to said automatic control unit,

wherein each said automatic control unit is programmed to perform in a station-specific fashion,

said method comprising the steps of:

(1)   originating an information transmission including an instruct signal which is

effective, at a transmitter station, to generate at least one generation control signal which is

effective to enable at least one of said plurality of intermediate transmission stations to generate

a generation instruction by processing stored data in accordance with said at least one generation

control signal;

(2)   originating a communications control signal which operates at said transmitter

station to communicate said at least one generation control signal to a transmitter; and

(3)   transmitting said information transmission, said instruct signal and said

communications control signal.

9.   (Twice Amended)   The method of claim 3, wherein said at least one generation

instruction instructs each of said plurality of intermediate transmission stations to generate

microprocessor instructions, said method further comprising the step of including said

microprocessor instructions in said respective generated signal at each of said plurality of

intermediate transmission stations.

10.   (Twice Amended)   The method of claim 3, wherein said automatic control

units are programmed to respond to said at least one generation instruction at different times.

11.   (Twice Amended)   The method of claim 3, wherein at least a portion of said information transmission includes mass medium programming, said method further comprising the steps of:

receiving a control signal which operates at each of said plurality of intermediate transmitter stations to communicate said mass medium programming to said transmitter; and

transmitting said mass medium programming from each of said plurality of intermediate transmission stations.

12.   (Twice Amended)   The method of claim 3, further comprising the step of transmitting from a second origination station a control signal which is effective to cause at least one of said plurality of intermediate transmission stations to store a second generation instruction and a second signal for comparison.

13.   (Twice Amended)   The method of claim 12, further comprising the step of transmitting said second generation instruction from said second origination station.

14.   (Twice Amended)   The method of claim 11, wherein said mass medium programming comprises audio.

15.   (Twice Amended)   The method of claim 3, wherein said automatic control unit in each of said plurality of intermediate transmission stations is programmed to control a switch, said switch adapted to communicate an information transmission transmitted from said at least

8

one origination station, said method further comprising the step of transmitting an instruction from said at least one origination station which causes at least one of said intermediate transmission station to control its switch.

16. (Twice Amended) The method of claim 3, wherein each of said plurality of intermediate transmission stations transmits programming, said method further comprising the step of transmitting said programming from said at least one origination station to said plurality of intermediate transmission stations.

17. (Twice Amended) The method of claim 10, wherein at least one of said plurality of intermediate transmission stations is programmed to receive said at least one generation instruction from a local source.

19. (Amended) The method of claim 3, wherein at least one of said plurality of intermediate transmission stations generates control signals and wherein at least one receiver station outputs a video presentation in accordance with said control signals.

20. (Twice Amended) The method of claim 16, wherein a second information transmission transmitted from each of said plurality of intermediate transmission stations includes said programming, said method further comprising the step of including said respective generated signal in said information transmission at each of said plurality of intermediate transmission stations.

21.   (Twice Amended)   The method of claim 20, wherein said step of including

comprises embedding at least a portion of said respective generated signal in the normal

transmission location of said programming.

22.   (Twice Amended)   The method of claim 21, wherein said programming

comprises audio.

F5
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23.   (Amended)   The method of claim 9, further comprising the step of at least one

of compiling and linking said microprocessor instructions.

24.   (Amended)   The method of claim 3, wherein at least one of said plurality of

intermediate transmission stations generates control signals, wherein at least one receiver station

outputs a first portion of audio in accordance with said control signals, said method further

comprising the step of transmitting a second portion of audio to be output with said first portion

of audio.

F6

25.   (Amended)   The method of claim 2, further comprising the step of transmitting

a portion of said first downloadable code in said second downloadable code.

26.   (Amended)   The method of claim 2, wherein said receiver station generates a

portion of said information to one of complete and supplement said programming by processing

stored data, said method further comprising the step of transmitting data to be stored at said

receiver station.

28.   (Amended)   The method of claim 2, further comprising the step of transmitting said programming to said receiver station.

29.   (Amended)   The method of claim 4, wherein a plurality of instruction sets are generated at said plurality of intermediate transmission stations in accordance with said at least one generation instruction, wherein each of said plurality of intermediate transmission stations transmits at least one of said plurality of instruction sets to at least one receiver station and wherein each said at least one receiver station generates output information content by processing data in accordance with at least one of said plurality of instruction sets, said method further comprising the step of transmitting said data.

31.   (Amended)   The method of claim 4, wherein a plurality of instructions are generated at said plurality of intermediate transmission stations in accordance with said at least one generation instruction, wherein each of said plurality of intermediate transmission stations transmits a portion of said processor instructions to at least one ultimate receiver station, and wherein each said at least one ultimate receiver station outputs a television programming presentation in accordance with a portion of said processor instructions, said method further comprising the step of transmitting television programming to be outputted as a part of said television programming presentation at each said at least one ultimate receiver station.

32.   (Amended)   The method of claim 5, wherein at least one of said plurality of intermediate transmission stations generates a plurality of instructions in accordance with said at

least one generation instruction, and wherein at least one ultimate receiver station generates

output information content by processing data in accordance with said plurality of instructions.

34.   (Amended)   The method of claim 5, wherein at least one of said plurality of

intermediate transmission stations generates a plurality of instructions in accordance with said at

least one generation instruction, and wherein at least one ultimate receiver station outputs a video

presentation in accordance with said plurality of instructions, said method further comprising the

step of transmitting video to be output with said video presentation.

36.   (Amended)   The method of claim 6, wherein at least one ultimate receiver

station outputs a first portion of audio in accordance with said signal, said method further

comprising the step of transmitting a second portion of audio to be output with said first portion

of audio.

37.   (Unchanged)   The method of claim 7, further comprising the step of transmitting

data to be stored at said plurality of intermediate transmission stations.

39.   (Amended)   The method of claim 7, wherein at least one of said plurality of

intermediate transmission stations transmits a plurality of generation instructions to at least one

ultimate receiver station, and wherein said at least ultimate receiver station outputs a television

programming presentation in accordance with said plurality of generation instructions, said

method further comprising the step of transmitting to said ultimate receiver station television

programming to be presented with said television programming presentation.

40.   (Amended)   The method of claim 8, further comprising the steps of:

receiving, in said network, a class of data to be processed at said plurality of intermediate, transmission stations; and

distributing said class of data to said plurality of intermediate transmission stations.

41.   (Amended)   The method of claim 8, where said communications control signal includes an instruct to embed.

42.   (Amended)   The method of claim 8, wherein said at least one generation control signal enables each of said plurality of intermediate transmission stations to transmit a plurality of generation instructions to at least one ultimate receiver station, and wherein each said at least one ultimate receiver station outputs a television programming presentation in accordance with said plurality of generation instructions, said method further comprising the step of transmitting, to each said at least one ultimate receiver station, television programming to be outputted with said television programming presentation.

43.   (Amended)   A method of communicating and controlling at least one of the reception and presentation of programming in a network, said network including a programming origination station, an intermediate transmission station, and at least one subscriber station, said intermediate transmission station including a receiver and a transmitter, and at least one subscriber station including at least one output device, said method comprising the steps of:

storing computer program code at said intermediate transmission station related to first programming;

inputting to a computer at said intermediate transmission station data related to said first

programming;

transmitting a first control signal to said intermediate transmission station;

detecting said first control signal at said intermediate transmission station and passing

said first control signal to said computer;

executing said stored computer program code in response to said first control signal;

generating downloadable computer program code by processing said data under control

of said stored computer program code;

transmitting said downloadable computer program code to said at least one subscriber

station in response to a second control signal;

transmitting said first programming to said intermediate transmission station;

receiving said first programming at said intermediate transmission station;

transmitting a third control signal and said first programming from said intermediate

transmission station to said at least one subscriber station; and

causing one of said at least one subscriber station, under control of said generated

downloadable computer program code, to at least one of receive and present second

programming with said first programming at said at least one output device, wherein said third

control signal executes said downloadable computer code at said subscriber station.

44.   (Amended)   A method of communicating signals in a communications network,

said communications network including at least one origination station and a plurality of

intermediate transmission stations, each of said intermediate transmission stations having a

receiver, at least one signal generator operatively connected to said receiver, a transmitter, an

14

automatic control unit operatively connected to said at least one signal generator, and a detector

operatively connected to said automatic control unit, wherein each said automatic control unit is

programmed to perform in a station-specific fashion, said method comprising the steps of:

transmitting information content of at least one first signal from said at least one

origination station, said information content of at least one first signal including at least one

generation instruction;

transmitting information content of at least one transmission control signal from said at

least one origination station;

receiving at each one of said plurality of intermediate transmission stations said

information content of at least one first signal;

detecting, at each one of said plurality of intermediate transmission stations, said at least

one generation instruction;

receiving, at each one of said plurality of intermediate transmission stations, said

information content of at least one transmission control signal;

passing, at each one of said plurality of intermediate transmission stations, said at least

one generation instruction to said automatic control unit;

generating, at each one of said plurality of intermediate transmission stations, in

accordance with said generation instruction, information content of a second signal;

transferring, at each one of said plurality of intermediate transmission stations, to said

transmitter in accordance with said transmission control signal, said information content of a

second signal in a second signal; and

transmitting from each intermediate transmission station of said plurality of intermediate

transmission stations, said second signal, such that the transmission time of said second signal

when transmitted from a first of said plurality of intermediate transmission stations is different

from the transmission time of said second signal when transmitted from a second of said

plurality of intermediate transmission stations.

45.   (Amended)   The method of claim 44, wherein said generation instruction

instructs each of said plurality of intermediate transmission stations to generate microprocessor

instructions and said automatic control unit is programmed with data of at least one of (i) at least

one formula and (ii) at least one item to be generated.

46.   (Amended)   The method of claim 44, wherein said automatic control units are

programmed to respond to said at least one generation instruction at different times.

47.   (Amended)   The method of claim 44, wherein said at least one first signal

contains mass medium programming, said method further comprising the steps of:

communicating said mass media programming to said transmitter based on receipt of said

transmission control signal; and

retransmitting said mass medium programming from each of said plurality of

intermediate transmission stations at a time that is different at each intermediate transmission

station.

48.   (Amended)   The method of claim 44, further comprising the step of

transmitting from a second origination station an instruct signal that causes at least one of said

16

plurality of intermediate transmission stations to store a second generation instruction and a second transmission instruction.

49.   (Amended)   The method of claim 48, further comprising the step of transmitting said second generation instruction from said second origination station.

50.   (Amended)   The method of claim 47, wherein said mass medium programming includes audio.

51.   (Amended)   The method of claim 44, wherein each of said plurality of intermediate transmission stations further has a switch and an automatic control unit that is programmed to control said switch.

52.   (Amended)   The method of claim 44, wherein each of said plurality of intermediate transmission stations retransmits programming, said method further comprising the step of transmitting said programming from said at least one origination station to said plurality of intermediate transmission stations.

53.   (Amended)   The method of claim 46, wherein at least one of said plurality of intermediate transmission stations is programmed to receive at least one generation instruction from a local source.

55.   (Unchanged) The method of claim 44, wherein a retransmission control signal

instructs said plurality of intermediate transmission stations to retransmit immediately, said

method further comprising the step of selecting at least one of said at least one generation

instruction and said at least one transmission instruction to store and retransmit.

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56.   (Amended)   The method of claim 52, wherein said programming includes said

second signal.

57.   (Amended)   The method of claim 56, wherein at least a portion of said second

signal is embedded in the normal transmission location of said programming.

58.   (Amended)   The method of claim 57, wherein said programming includes

audio.

59.   (Amended)   The method of claim 45, further comprising the step of at least one

compiling and linking said microprocessor instructions.

60.   (Unchanged) The method of claim 44, further comprising the step of

transmitting at least one of a signal for comparison and at least one retransmission control signal

from a first one of said plurality of intermediate transmission stations.

61.   (Amended)   A method of communicating signals in a communications network,

said communications network including at least one origination station and a plurality of